

We plot peak apparent magnitudes of nearby SNe Ia (from Hamuy et al. 1995) together with our distant SNe on the same Hubble diagram. The four curves show the magnitude-redshift relation calculated for different values of the deceleration parameter q_0 . The upper plot shows the distant and nearby data without accounting for the relation between light curve width and absolute magnitude.

For the lower plot, the fitted widths are used to calibrate magnitudes using the width-brightness relationship found for an independent set of nearby SNe. Note that the 3 SN with the smallest error bars are on top of each other. The error bars are all larger error than the uncalibrated case bars due to uncertainties in the light-curve width fit.

To check for consistency, the width-brightness relationship for the high-redshift sample is compared to the nearby sample.

